Air Permit
Improvement Initiative

January 2004 Progress Update

Air Permit Improvement Initiative

- Background Information
- Air Permit Streamlining
  - Phase One
  - Phase Two
- New Source Review Retooling
- Questions

Air Permit Improvement Initiative

- Announced by Sec. Hassett in June 2003

- Led by A. Shea, L. Eagan, M.J. Kopecky

- Goals: Maintain Environmental Standards, Streamline the Air Permit Process, and Retool State New Source Review in Light of Federal Rule Changes

Governor's Grow Wisconsin Air Permit Goals

- Eliminate Operation Permit Backlog
  - 148 Remaining Initial Part 70 Operation Permits
  - Completed by December 2004
- Issue Air Permits within 180 Days
- Retool NSR by Spring 2004

Jobs Creation Act

Air Permit Streamlining - Charge

- Decrease Construction & Operation Permit Cycle Time

- Improve Application Completeness

- Improve Understanding of Air Regulation

- Improve Public Access to Permit Process

- Increase Permit Staff Assistance to Permit Customers

- Optimize Use of Integrated Information Systems, "Smart Systems", and Internet

- Involve Stakeholders in Design of Process Improvements

- Establish Performance Criteria To Measure Success

Air Permit Streamlining
Initial Phase (July-Dec 2003)

- Identify & Implement Short Term Pilots

- Map the Permit Process

- Analyze IT Needs & Opportunities

- Analyze Other States' Permit Programs

- Survey External & Internal Stakeholders

- Analyze Past Streamlining Efforts

- Review Regulatory Alternatives to Permits

APS - Short Term Pilots

Examples of Pilot Projects Underway

- Web Page Improvement
- Web Posting of Permit Tracking Information
- Permittee Email Tickler System - Renewal Applications, Compliance Certification. Reports
- FAQs for Permit Reviewers & Permittees

Permit Tracking Data on Web

APS - Process Mapping & IT

- Process Mapping
  - Operation & Construction Permit Maps
  - Working With Internals & Externals to Refine Maps
- IT Analysis - Data Model
  - Catalogue Data, Applications, Support Systems
  - Identify Missing, Redundant or Inadequate Data, Applications, Support Systems, Technologies, or Hardware

Permit Process Map

Construction Permit Cross-Functional Process Map
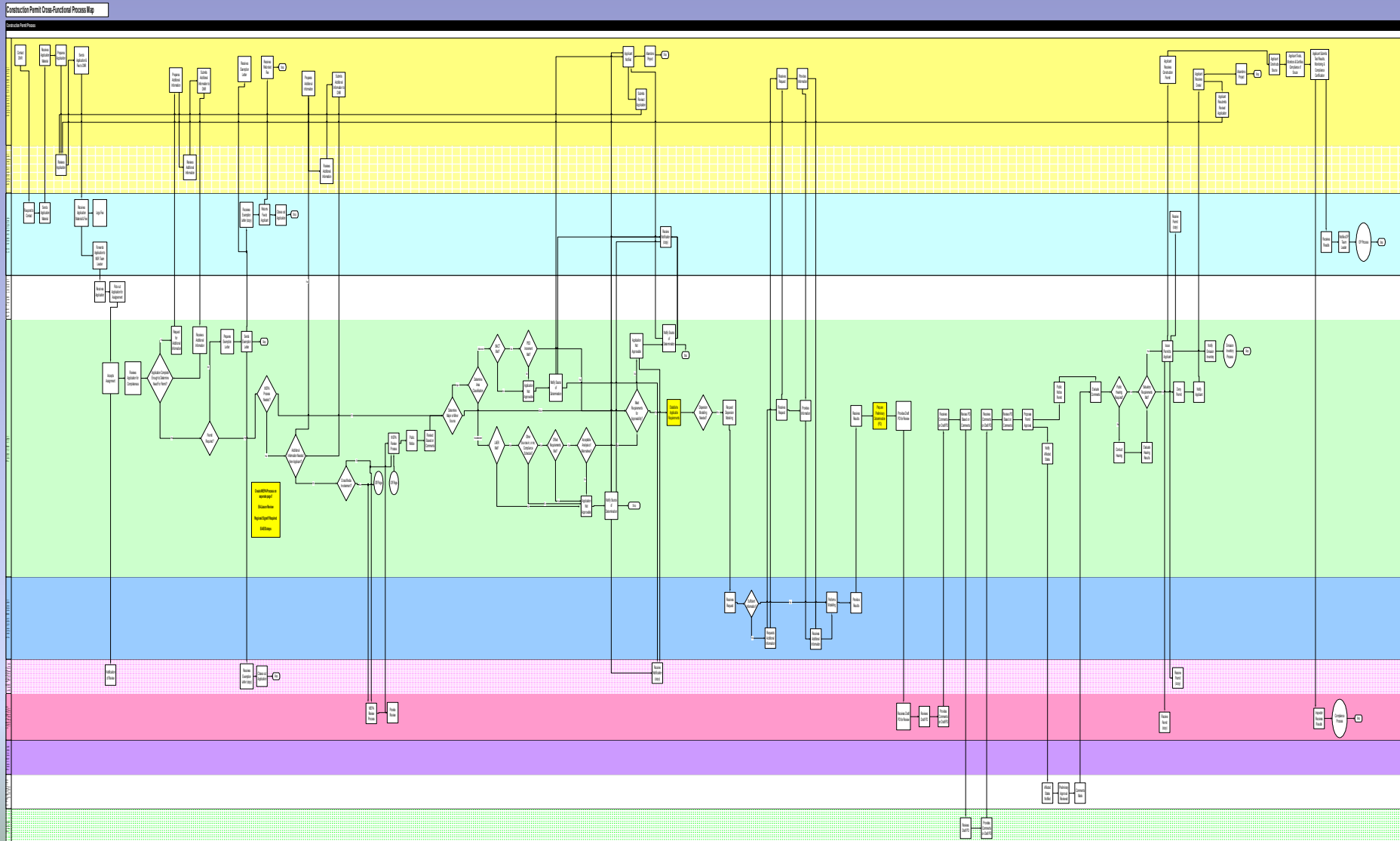
What is a Data Model?

- A conceptual representation of data structures

- Focuses on what data are required and how data should be organized

- A data model is like an architect's building plan

APS Data Model

- Data Model of Three Air Data Systems: Permit, Emission, Compliance

- Overlay Data Model & Permit Process Map
  - What data do we have?
  - What is common?
  - What is missing? What is present but not needed?

- Data Model will guide system integration and improvement

APS Data Model
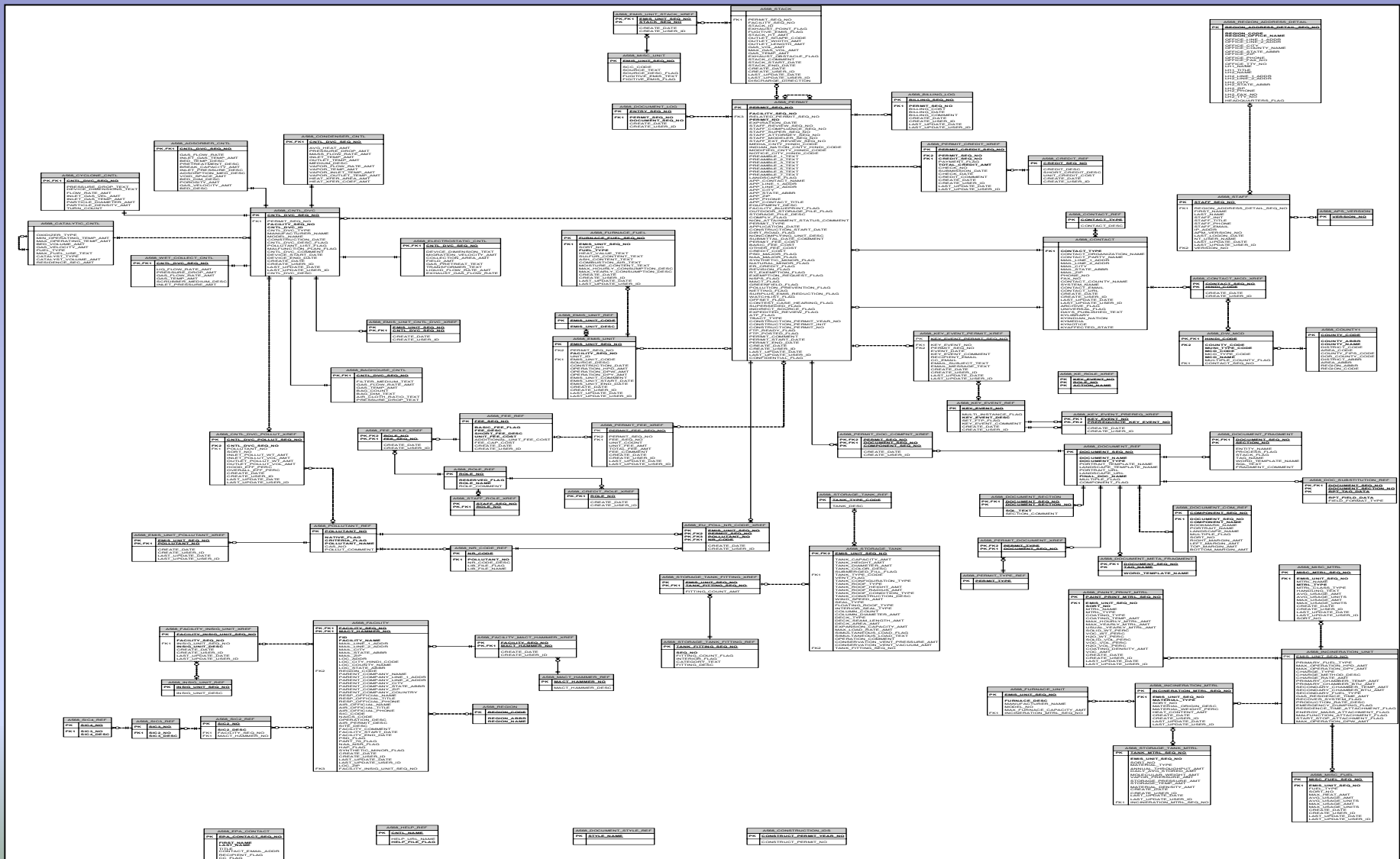
APS Data Model - Entity Relationship Diagram

AM551_FACILITY

PK	FACILITY_SEQ_NO
	FACILITY_ID_SEQ_NO
	CURRENT_FLAG
	ACTIVE_FLAG
	RECORD_START_DATE
	RECORD_END_DATE
	DEACTIVATION_DATE
	FID
	FACILITY_NAME
	FACILITY_ADDR
	CITY
	ZIP
	REGION_CODE
	AIRS_ID
	FACILITY_DESC
	SIC_CODE
	EPA_CLASS_CODE
	CEMS_FLAG
	REMARKS_TEXT
FK1	INSPECTOR_SEQ_NO
	CONTACT_SEQ_NO
	COUNTY_CODE
	PORTABLE_FLAG
	MEGASITE_FLAG
	STATE
	FACILITY_OWNER_TYPE
	NAICS_CODE

AM551_AIR_CONTACT

PK	CONTACT_SEQ_NO
	CONTACT_NAME
	CONTACT_PHONE
	CONTACT_PHONE_EXT
	CREATION_USER_ID
	CREATION_DATE
	CONTACT_EMAIL_ADDR

AM551_ENFORCEMENT

PK	ENFORCEMENT_SEQ_NO
	CASE_ID
	ACTIVE_FLAG
FK1	FACILITY_SEQ_NO
	CREATION_DATE
	CREATION_USER_ID
	RECORD_LOCKED_FLAG
	DAY_ZERO_DATE

AM551_FACILITY_PERM_TYP

PK,FK1 PK	FACILITY_SEQ_NO PERMIT_TYPE
	CREATION_DATE CREATION_USER_ID

AM551_FACILITY_AIR_PROG

PK PK,FK1	AIR_PROGRAM_CODE FACILITY_SEQ_NO
	CREATION_DATE CREATION_USER_ID

APS - Data Model
Things We Have Learned So Far ...

- The Permit, Emission, and Compliance Data Systems Have Much In Common

- Significant Data Gaps Exist

- Requirements for Historical Data & Level of Detail Vary

- Need to Improve Consistency of Data Definitions

- We See Great Opportunity for Integration

APS - State Comparisons

- Review Permit Programs in 16 Other States:
  - California (one AQD), Georgia, Illinois, Indiana, Louisiana, Massachusetts, Michigan, Minnesota, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, Virginia, Washington and West Virginia.

- Compare to WI Permit Program

- Report in February 2004

APS - External Stakeholders

- 2002 Operation Permitee Focus Groups & Survey
  - Report Posted on DNR Web (search - air permit survey report)
- 2003 NSR Focus Groups
  - Permittees, Consultants, Enviros, Local Govn't & Economic Development Specialists
  - Report in January 2004

APS - Internal Stakeholders

- Focus Group Sessions
  - Permit Writers
  - Managers
- Report in January 2004

APS - Alternatives To Permits

- Compile List of Alternative Programs & Select Programs for Analysis

- UW - La Follette Intern (Starts Jan 2004)

- Analysis & Report Spring 2004

- Also, Pursuing EPA Innovation Grant Opportunity

APS - Past Recommendations & Current Status

- Catalogue Past Permit Streamlining Recommendations

- Document Current Implementation Status of those Recommendations

Air Permit Streamlining

Second Phase (Beginning Jan 2004)

- APS Team Meeting February 2004
  - Review Findings
  - Develop Strategy & Project Plan
- Check In with Externals March 2004
- Final Project Plan April 2004
- Implement Project Plan
  - Workgroups
  - Involve Internals & Externals
- Project Complete December 2005

NSR Retooling in Brief

- Revise Major Source NSR Rules
  - Green Sheet to NRB December 2003
  - Public Hearings in January 2004
  - Final Rule to NRB May 2004

- Retool Minor Source NSR
  - Initiate Rule Development December 2003
  - Green Sheet to NRB May 2004
  - Final Rule to NRB September 2004

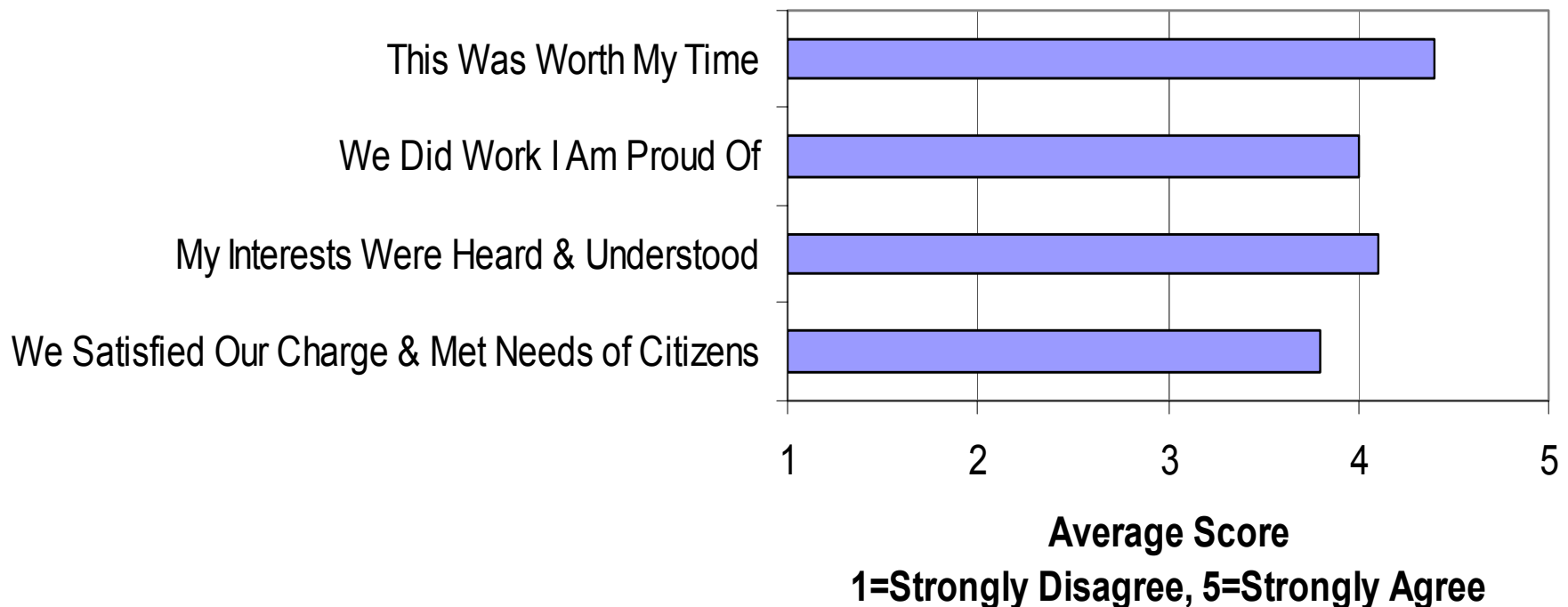# Evaluation of Initial NSR Retooling Effort

NSR Retooling Advisory Committee
December 2003 Evaluation

Average Score
1=Very Low Quality, 5 Very High Quality

Evaluation of Initial NSR Retooling Effort

NSR Retooling Advisory Committee
December 2003 Evaluation

Average Score
1=Strongly Disagree, 5=Strongly Agree
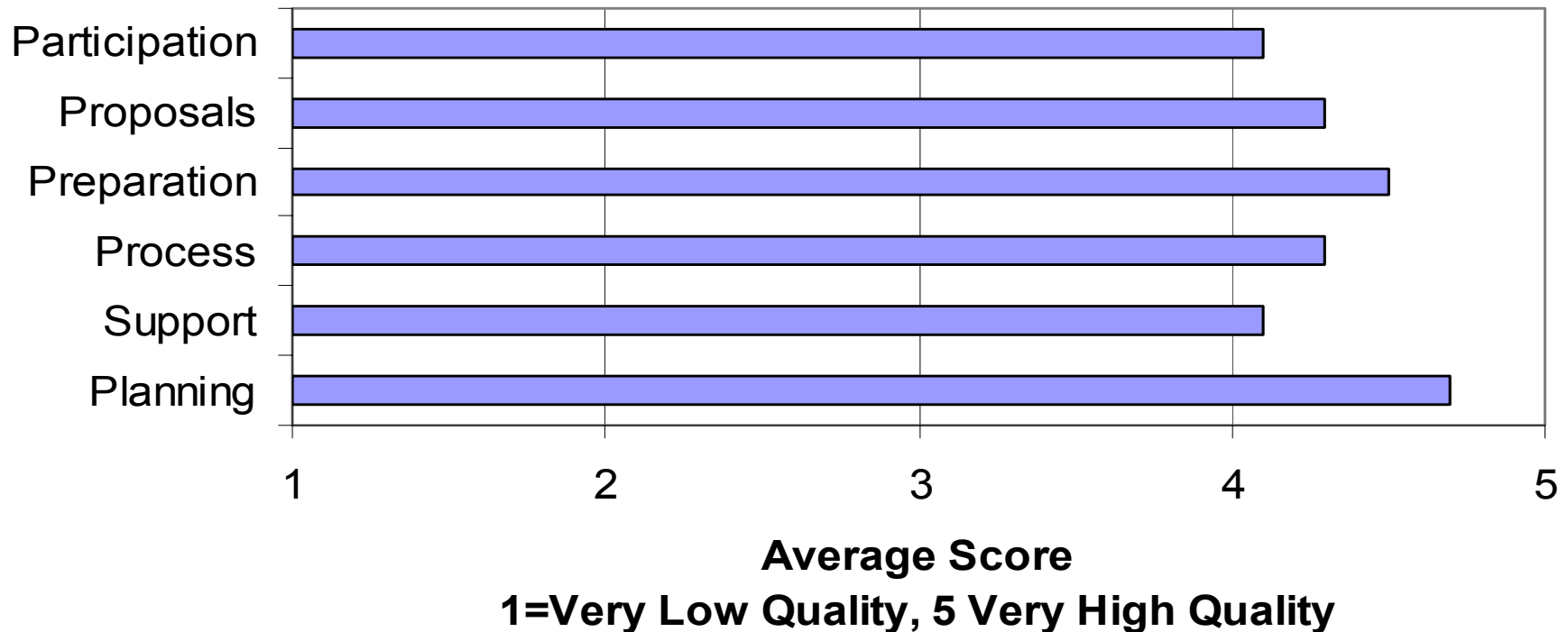
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Questions?